

Absolute incremental numerical encoder, installation and machine comprising this encoder

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Abstract of FR2703450

The invention relates to a rotary numerical encoder intended to supply a signal representing the angular displacement in rotation of a rotary shaft (1) with respect to a chassis from an absolute initial reference position, characterised in that it comprises integrated means (13, 14, 15, 16, 17) for continuous electronic counting of the number of rotational turns executed by the rotary shaft (1), and in that the integrated electronic counting means (13, 14, 15, 16, 17) comprise an autonomous electrical power source (13) which ensures their continued operation in the event of interruption of the normal external electrical supply (3) of the encoder or disconnection of the encoder. The invention also relates to a numerical control installation and a machine comprising such a numerical encoder.

